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(54) **ELECTRIC POWER STEERING DEVICE**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a compact electric power steering device using a special theoretical tooth form gear.

SOLUTION: In an electric power steering device in which the rotation of a steering shaft 5 is assisted through a speed reduction mechanism which consists of the output gear 22 of an electric motor 23 fixed to the shaft 5, the electric motor 23 is arranged parallel to a steering column 1, and the gear of the above speed reduction mechanism is formed of a spur gear or a herical gear of a special theoretical tooth form, and a guide plate 24 to fit to the shafts of an output gear 22 and a driven gear 21 in a housing 3 to house the speed reduction mechanism, rotatable respectively, is provided to compose the electric power steering device.

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